

KLOBOUCEK, J.

"Academician Josef Rysavy Completes his Seventieth Year", P. 37,  
(KARTOGRAPICKY PRZEHLID, Vol.(i. e. 8), No. 1, Mar. 1954, Praha,  
Czechoslovakia)

SO: Monthly List of East European Accessions, (EERAL), LC, Vol. 3, No. 12,  
Dec. 1954, Uncl.

KLOBOUCEK, J.

Czechoslovakia

Photogrammetrie und die Vermessungsfakultät (tschech.) S. 34-36

SO: Vermessungs Technik, Nov 1955, Uncl.

KLOBOUCEK, J.

Czechoslovakia

Fernstudium an der Fakultaet fuer Vermessungsingenieure (tschech.) S. 58-60

SO: Vermessungs Technik, Nov 1955, Und.

KLOBOUCEK, J.

Present state of photogrammetry in Czechoslovakia and trends in its further  
Economic development.

p. 204 (GEODETICKY A KARTOGRAFICKY OHZOR) Vol. 2, no. 6, June 1956,  
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,  
March 1958

S/035/62/000/003/028/053  
A001/A101

AUTHORS: Klobouček, J., Malivánek, R.

TITLE: Once more on the control of relief plotted on 1:10,000 maps by the stereophotogrammetric method

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 3, 1962, 15, abstract 30125 ("Geod. a kartogr. obzor", 1961, v. 7/49, no. 7, 133, Czech)

TEXT: These are comments on the V. Pichlik paper (see RZhAstr. 1961, 8060). 1. Klobouček objects the method of relief control proposed by Pichlik and asserts that stereoplotting of a relief performed on universal instruments cannot be controlled by means of a stereometer. 2. R. Malivánek does not agree with Klobouček and points out that the latter poorly understood the essence of the proposal which consists in the following: Stereometers can be used to determine errors exceeding the limits of established tolerances, but not to estimate the accuracy of stereoplotting of reliefs performed on universal instruments. He points out that Klobouček overlooked preliminary control of stereopairs which

Card 1/2

Once more on the control of relief ...

S/035/62/000/003/028/53  
A001/A101

takes place in practice, as well as the extended experience of other countries employing stereometers.

F. Sharkozi

[Abstracter's note: Complete translation]

Card 2/2

KLOBOUCEK, J.

"Photogrammetry" by A. Buchholts. Reviewed by J. Kloboucek.  
Geog kart obzor 2 no.2:39-40 F '56.

KLOBOUCHNIK, Jan [Kloboučník, Jan]; ARKAD'YEV, P. [translator]

Granite and Striped Cardinals. IUn.nat. no.5:31-32  
My '59. (MIRA 12:6)  
(Kadov, Czechoslovakia--Fruit trees)

KLOBOUCNIK, R.

Significance of the trade-mark Skoda of the V.I. Lenin Works on world markets.  
p.2.

OCHRANNE ZNAMKY, CHRANENE VZORY. (Urad pro patenty a vynalezy) Praha,  
Czechoslovakia, Vol. 1, no. 1, July 1^59

Monthly List of East European Accessions (EEAI), LC. VOL. 9, no. 2,  
Feb. 1960

Uncl.

KLOPOUK, B.

Electric fly-ash separators used at the heat and power plant of the Klement Gottwald New Metallurgical Plant in Ostrava-Kuncice, p. 497.

ENERGETIKA. Praha, Czechoslovakia. Vol. 9, no. 10. Oct. 1959

Monthly list of East European Accessions (EEAI) LC Vol. 9, no. 2 Feb. 1960  
Uncl.

KLOBUKOV, L.Ya., elektromekhanik sredstv pochtovoy mekhanizatsii

Servicing of postcard vending machines. Vest. svyazi 24 no.12:  
23 D '64 (MIRA 18:2)

1. Tuapsinskiy rayonnyy uzal svyazi.

VRZAL, V.; KLOBOUKOVA, E.

Our experiences with Phenmetrazine in pedopsychiatric practice. Activ.  
nerv. sup. 4 no.2:234 '62.

1. Psychiatricka ambulance detska nemocnice, Brno-Cerna Pole.

(PHENMETRAZINE ther)  
(MENTAL DISORDERS in inf & child)

KLOBUCAR, V., dr; MIKLOUSIC, T., dr

Lymphosarcoma generalisatum in acute febrile conditions. Med.glasn.  
14 no.9:442-443 8 '60.

1. Zarazni odjel Opće bolnice u Karlovcu (Sef odjela: dr. V.Klobucar)  
(LYMPHOSARCOMA case reports)

KLOBUKOV, B.N. (Moskva)

Preventing injuries occurring in soccer. Fel'd. i akush. 21 no.9:  
12-14 8 '56. (MIRA 9:10)

(SPORTS--ACCIDENTS AND INJURIES)  
(SOCCER)

KLOBUKOV, L.Ya., elektromekhanik

Better use of postal equipment in telecommunication enterprises.  
Vest. sviazi 23 no.9:19-20 S '63. (MIRA 16:10)

1. Tuapsinskiy uzel svyazi Krasnodarskogo kraya.

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PAGE 14 OF 14

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APPROVED FOR RELEASE: 06/19/2000

**CIA-RDP86-00513R000723210005-1"**

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Elements of Antennas and Communication Systems (Contd.)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723210005-1"



VRZAL, V.; KLOBOUKOVA, E.

Analysis of behavioral defects in 2 girls in a children's home, Cesk. pediat. 20 no.8:705-710 Ag '65.

1. Psychiatrické oddelení fakultního dětského nemocnice v Brně  
(vedoucí MUDr. V. Vrzal).

MACKU, Milos; CERNY, Jan; KLOBOUKOVA, Eliška

Catalectic examination of children following parotitis meningoencephalitis. Česk. pediat. 17 no.1:52-57 Ja '62.

1. Infekční oddělení Krajské dětské nemocnice v Brně, vedoucího doc. dr. Vl. Kluska Psychiatrická ambulance Krajské dětské nemocnice v Brně, vedoucího dr. Jana Černy.

(MUMPS compl)  
(MENINGOENCEPHALITIS in inf & child)

KLOBUKOVA-ALISOVA, N.N.

KOMAROV, VLADIMIR L'ONT'EVICH and E.N. KLOBUKOVA-ALISOVA. Opredelitel' rastenii  
Dal'nevostochnogo kraia. Leningrad, 1931-32. 2 v.

SO: LC, Soviet Geography, Part I, 1951. Incl.

KLOBUKOVA-Alisova, E. N.

KOMAROV, V. L. and E. N. KLOBUKOV/-Alisova. Opredelitel' rastenii Dal'ne-Vostochnogo Kra'ia Leningrad, 1931-1932. v. 1-2.

So: LC, Soviet Geography, Part II, 1951/Unclassified.

KLOBUKOVA-ALISOVA, YE. N.

PA 59/49T87

USSR/Medicine - Vitamin C  
Medicine - Plants

Mar 49

"Vitamin C in the Plant Life of Bashkir ASSR (Ufa Rayon)," B.S. Gologorskii, Ye. N. Klobukova-Alisova, M.V. Gol'dashteyn, Ufa Inst of Epidemiol and Microbiol imeni Mechnikov, Bashkir Bot Gardens, 4 pp

"Gig 1 San No 3, p. 30-3, 1949

Reports on research conducted in 1944-1945 on 392 varieties of plants. Tests were made on edible parts and on those used in pharmacology. Vitamin C content was determined by iodine test. Tables show test results. Flora of Bashkir ASSR is considered to have large reserve of Vitamin C (highest content in Rosa canina and cinnamon). Another rich source of Vitamin C is berries, especially black currants. Research data also confirmed the influence of geographical factors on Vitamin C content in plants.

PA 59/49T87

KLOBUKOVA-ALISOVA, Yevgeniya Nikolayevna; IL'IN, N.M., prof., otd. red.;  
SHARAPOV, N.I., red. izd-va.; ZEMEL', M.Ye., tekhn. red.

[Useful and harmful wild plants in Bashkiria] Dikorastushchie  
polesnye i vrednye rastenija Bashkirii. Moskva, Izd-vo Akad. nauk  
SSSR. Vol. 1. 1958. 218 p.  
(Bashkiria--Botany, Economic) (MIRA 11:12)

KLOBUKOVA-ALISOVA, Xarganiya Nikolayevna; SHARAPOV, N.I., otv.red.;  
VIKHREV, S.D., red.issd-vs; BOCHNEV, V.T., tekhn.red.

[Useful and harmful plants growing wild in Bashkiria] Diko-  
rastushchie poleznye i vrednye rasteniia Bashkirii. Moskva,  
Izd-vo Akad.nauk SSSR, 1960. Vol.2. 1960. 246 p.  
(Bashkiria--Botany, Economic)

(MIRA 13:9)

ERODKA, Jan, mgr inż.; KLOBUKOWSKI, Jan, mgr inż.

Prestressed steel constructions; scope and application

APPROVED FOR RELEASE 06/19/2000 by CIA-RDP86-00513R000723210005-1

1. Biuro Studiow i Projektow Konstrukcji Stalowych, "Mostostal,"  
Warszawa.

L 33498-66  
ACC NR: AP6023500

SOURCE CODE: CZ/0049/65/000/011/0801/0808

AUTHOR: Mungverova, Gertruda-Munderova, G. (Doctor; Candidate of sciences;  
Bratislava); Klobusicka, Margita-Klobushitska, M. (Graduate Biologist; Bratislava)

ORG: Department of Experimental Cytology, Institute of Normal and Pathological  
Physiology, SAV, Bratislava (Oddelenie experimentalnej cytologie Ustavu normalnej  
a patologickej fiziologie Slovenskej akademie vied)

TITLE: Histological observations of gliomacrophagen grown in vitro

SOURCE: Biologia, no. 11, 1965, 804-808

TOPIC TAGS: histology, enzyme, microbiology, cytoplasm, animal, nervous system

ABSTRACT: Gliomacrophages grown in vitro contain in their cytoplasm various amounts of neutral fats. In between the droplets of fat the cytoplasm is strongly PAS-positive. Among the enzymes acid phosphatase, non-specific esterase, and succinate dehydrogenase were found. Alkaline phosphatase was not found. The macrophages originated in the brain and spleen and no difference in their behavior due to the origin of chicken embryo and the material was found. Increasing length of cultivation increased the amount of fat and the activity of the enzymes. Orig. art. has: 7 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: 01Jun65 / ORIG REF: 012 / OTH REF: 002

Card 1/1 83

0975

11/607

SOURCE CODE: CZ/0082/66/000/001/0042/0047

ACC NR: 32997-66 I JK  
AF6024088

AUTHOR: Kolar, O.; Behounkova, L.; Klobusicka, M.; Kotrla, M.

ORG: Neurological Clinic/headed by Professor, Doctor J. Hrbek, Doctor of sciences/,  
Medical Faculty, PU, Olomouc (Neurologicka klinika lekarske fakulty PU); Microbiological  
Institute/headed by Docent, Doctor E. Marsalek/, Medical Faculty, PU, Olomouc  
(Mikrobiologicky ustav lekarske fakulty PU); Department of Experimental Cytology,  
SAV/headed by Academician I. Stanek/, Bratislava (Oddeleni experimentalni cytologie  
SAV); Histological and Embryological Institute, Medical Faculty, PU/headed by Docent,  
Doctor M. Obrucnik, Candidate of sciences/, Olomouc (Histologicky a embryologicky  
ustav lekarske fakulty PU); [Kolar] Faculty Hospital, Olomouc (Fakultni nemocnice)

TITLE: Problem of immunological reactions in the cerebrospinal fluid in the course of subacute cerebrospinal fluid in the course of subacute encephalitis Dawson-Pette-Doring-van Bogaert [This paper was presented at the 8th Pediatric Neurology Days held in Starý Smokovec in 1964 as well as at the Biological Days held in Prague in 1964.]

SOURCE: Ceskoslovenska neurologie, no. 1, 1966, 42-47  
TOPIC TAGS: immunology, central nervous system, encephalitis, experiment animal,  
antigen, cell physiology, neurology

ABSTRACT: An attempt was made to transfer late hypersensitivity from 12 patients to guinea pigs. The antigen used was an extract from the brain tissue of a deceased patient who suffered from subacute Dawson-Pette-Doring-van Bogaert encephalitis. A positive reaction to cerebrospinal fluid of patients was found in 50% of the guinea-pigs. Late

1653

0915

L 32997-66  
ACC NR: AF6024088

hypersensitivity was transferred only in 1 of 22 cases. Experiments with tissue cultures from fetal brain indicated that in addition to mononuclear cells originating from blood elements and leptomeningeal structures, elements originating in brain or spinal cord tissue should be expected in the cerebrospinal fluid. In subacute cases of the discussed encephalitis, immunological function of fluid mononuclear cells in transferring late hypersensitivity by the cerebrospinal fluid are discussed. [Based on authors' Eng. abst.] [JPRS]

0  
SUB CODE: 06 / SUBM DATE: 20Jul64 / ORIG REF: 008 / Sov REF: 002  
OTH REF: 010

Card 2/2 10

HUNOVSKA, Ondreja; KLOUSICOVÁ, Margita

Histochemical observations of glial macrophages cultivated  
in vitro. Biologia (Bratisl.) 20 no. 11:504-509 '65.

1. Oddelenie experimentnej cytologie Ustavu normalnej a  
patologickej fysiologie Slovenskej akademie vied v Bratislave.

KLOBUSITZKY, D.V.

Coagulating effect of hamsterite preparations with snake venom base. *Dicymnia V. Khokhlova*. Doz. 2, 120-304 (1931). *Biul. Akad. Nauk SSSR*, No. 10, 1931. The experiments were made on 3 preps., for which the data are given, as to coagulation times, etc. It is concluded that coagulating serums with a low or no snake venom base, in order to have a therapeutic effect, contain an antibody that enough coagulating substance to coagulate normally 5 cc. of rat's or horse's blood in approx. 10 min.; that the full coagulating effect appears after 3-7 min., when the prep. is injected i.v. (intravenously). In all cases when it is injected intramuscularly, a delay in 1-2 min. after administration appears. That the anticoagulating effect of these serums is more than 60 min., and the time of coagulation is tested in normal mice 110 min. and less. The coagulating effect is independent of the antigen of the injection of the prep. A. M. M.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723210005-1"

Klobusitzky, D. V.

✓ Neutralization of the blood-congesting poison of K. J. Meyer  
venom by heparin. J. v. Kirschbaum, Univ. São Paulo, 1938  
Brazil). Rev. Bras. Cienc. Farmacol., 1938, 1, 1.  
Pharmacol. 237, 1938 (1938). — Heparin expd Pathol.  
blood-congesting poison contained in the venom of  
Buthropspulcherrimus. Abstracts the  
A. J. Meyer

FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723210005-1"

L 35944-66 EWT(m)/ISWP(t)/ETI IJP(c) JD  
ACC NR: AP6027384

SOURCE CODE: CZ/0034/65/000/009/0680/0680

INVENTOR: Petlicka, J. (Engineer); Bastecky, V.; Hadacek, B. (Engineer);  
Jelinkova, V. (Doctor of natural sciences); Kloc, F.; Vesely, V.

3/

ORG: none

3

TITLE: Process for treating manganese or ferro-manganese raw materials under simultaneous regeneration of sulfuric acid. Class 40a, No PV 1562-64

SOURCE: Hutnicka listy, no. 9, 1965, 680

TOPIC TAGS: manganese, ferromanganese, sulfuric acid, metallurgic process, chemical decomposition, calcination

ABSTRACT: The article is an abstract of Czechoslovak Patent Application Class 40a, 47/00, PV 1562-64, dated 18 March 64. The raw materials treated may be ores, concentrates, sludges, slags, or byproducts. The process is of a hydrometallurgical character; manganese or both manganese and iron are dissolved as sulfates, and these sulfates are treated according to the invention in such a manner that higher oxides of the respective metals are obtained under conditions of a simultaneous regeneration of the sulfuric acid. The sulfate is subjected to an attack by hydrochloric acid, or gaseous hydrogen chloride, or both resulting chlorides of metals are precipitated as solids from the concentrated solution. The chlorides are decomposed by calcination and the regenerated HCl is returned to the process. [JPRS]

SUB CODE: 11, 16 / SUBM DATE: none

L 62733-63 EWP(t)/EWP(b) JD  
ACCESSION NR: AP5021467

(2/0034/64/000/011/0634/0834) 14

AUTHOR: Hedacek, B. (Engineer); Petlicka, J. (Engineer); Bastecky, V.; Kloc, K.  
Strubl, R. (Doctor of natural sciences) B

TITLE: Method of removing metals, forming products subject to hydrolysis from  
solutions

SOURCE: Hutnické listy, no. 11, 1964, 834

TOPIC TAGS: metal extracting, hydrolysis, acid catalysis

Abstract: The article describes Czechoslovak Patent Application Class I,0a, 3/00, PV 5726-63, dated 18 Oct 1963. The invention covers a method used in hydrometallurgical processes where the ores are first leached with acid, the solution heated and oxidized under pressure, and precipitated products are separated. The invention covers a process whereby the solution is mixed under pressure with such an amount of the untreated ore that all the acid components of the solution can combine with the metal contained in the untreated ore.

Card 1/2

L 62733-63

ACCESSION NR: AP3021467

ASSOCIATION: none

SUBMITTED: 18Oct63

NO REF Sov: 000

ENCL: 00

OTHER: 000

SUB CODE: MM

JP28

Card 2/2

L 3759-66 EMT(m)/EMP(t)/EMP(b) IJP(e) JD		CZ/0034/65/000/001/0072/0072	
ACC NR: AP5027867		AUTHOR: Petlicka, J. (Engineer); Bastecky, V.; Klo, K.; Riha, V.; Vesely, V.; Hadacek, B. (Engineer); Jelinkova, V. (Doctor of natural science); Strubl, Va (Doctor of natural science)	
TITLE: Method of treating manganese ores to obtain higher oxides of Mn		20 03	
SOURCE: Hutnicka listy, no. 1, 1965, 72			
TOPIC TAGS: metal melting, manganese, manganese compound, sulfuric acid			
ABSTRACT: Article is an abstract of Czechoslovak Patent Application Class 40a, 47/00, PV 421-64, dated 24 Jan 64. Solid sulfates, preferably the monohydrate are exposed at 900° to a mixture of steam and nitric acid vapors. In the reactor Mn is oxidized, and sulfuric acid regenerated. Reaction space vapors are cooled to recover sulfuric acid as a condensate, while nitric oxides are recovered in the usual manner. The advantage of the process is that Mn is recovered as solid oxide suitable for metallurgical uses, and sulfuric and nitric acids are regenerated.			
ASSOCIATION: none			
SUBMITTED: 24Jan64			
NR REF Sov: 000			
Card 1/1			
ENCL: 00		SUB CODE: MM	
OTHER: 000		JPRS	

L 18510-66

EP(1)

LP(1) ND

ACC NM AF6010257

SOURCE CODE: CZ/0034/65/000/003/0619/0219

AUTHOR: Hudecek, B. (Engineer); Strubl, R. (Doctor of natural sciences); Alba, V.  
Kloc, K.; Vesely, V.; Basteky, V.; Petlicka, J. (Engineer)

ORG: none

TITLE: Method for treating phosphorus containing ferromanganese ores

SOURCE: Hutnické listy, no. 3, 1965, 219

34  
27

TOPIC TAGS: sulfuric acid, phosphorus, ferromanganese, oxidation

ABSTRACT: The article is an abstract of Czechoslovak patent application Class 18a, 1/04 PV 6186, dated 9 Nov. 1963. The ore is repeatedly leached by sulfuric acid; the solution obtained has a pH of 1 - 3, and the reaction mixture is heated to 60 - 100°C, and at the same time oxidized by hydrogen peroxide; the oxidation is continued until the bulk of phosphorus is eliminated, when a new amount of ore is added, corresponding to the remaining P content in the ore. The content of Fe can be adjusted by addition of iron ore. The iron content in the filtrate may be adjusted by an oxidizing agent, such as a peroxide of manganese or hydrogen. [JPRS]

SUB CODE: 07, 11 / SUBM DATE: none

Card 1/10C

2

Kloc, Slavomíra Medica Sec.10 Vol.11/7 Obstetrics and  
Gynaecology July 58

1208. FURTHER EXPERIENCES WITH HORÁLEX'S CROSSED COLPOCLEISIS  
IN PROLAPSE OF OLD WOMEN - Další zkušenosti se zkrátkou kolpokleisis  
sou podle Horálka u prolapsu starých žen - Kloc, S. H. Por. - Gyn. Klin.,  
Brno - ČSL. GYNAEK. 1957, 6 (423-430) Illus. 2

The advantage of this operation is the formation of a longitudinal septum in the distal part of the vagina which supports the urethra, so that the urinary incontinence, which causes more troubles than the prolapse, is removed. The method of operation: from the mucous membrane of the anterior and posterior vaginal wall a part in the form of a spindle is removed and the neighbouring margins united. The other margins are brought together longitudinally so that a longitudinally situated scar arises in contrast to the transverse one in the Neugebauer-Lefort operation. High plastic reconstruction of the perineum is always added. In 68 women, 4 of whom were 80 yr. old, a 100% result was achieved.

Veacíř - Prague

KLOCEK, Andrzej

Pulse generators. Zasady radiolokacji 3:5-142 '61.

KLOCIK, F.

In the face of a difficult winter period 1959/60. p. 245.

WOMI POLNICTWA. (Instytut Wydawnictwo Polonii i Lekce) Warsaw, Poland.  
Vol. 8, no. 29, Dec. 1959.

Monthly List of West European Accorssions (WAI) 10, Vol. 9, no. 2, Feb. 1960

Encl.

KLOCEK, FR.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723210005-1"

## POLAND

KLOCEK, Francoiszek, Magister Inżynier [Affiliation not given]

"Production Situation in Cattle- and Pig Breeding at the Turn of 1962-1963."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 19, No 7, Jul 63,  
pp 405-407

Abstract: The poor harvest in Poland this year (also in other European countries) brought about a shortage and increased prices of fodder. The author analyzes the mid-year available data for sales of cattle and skins, selection, livestock inventory, etc. figures, compares them with the corresponding figures for the prior year and arrives at the conclusion that, although increased slaughter and sales of cattle need not necessarily mean declined inventories by the end of the fiscal year in cattle, they seem to indicate that the fodder shortages will affect inventories of pigs. There are no references.

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KLOCEK, Tadeusz, mgr. inż.; BALA, Stanisław, mgr. inż.; JUSZKIEWICZ, Zbigniew,  
APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723210005-1  
MĘCIK, Mieczysław, mgr. inż.; WISIATYCKI, Kazimierz, mgr.  
ins.

Measurements of the ship hull pressure on the bow cradle during launching. Bud. okrętowe Warszawa 9 no. 10346-350 '64.

1. Technical University, Gdańsk.

KLOCH, Z.

Self-produced building materials for new settlements. p. 10.

LAS POLSKI. (Ministerstwo Leśnictwa oraz Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Leśnictwa i Drzewnictwa) Warszawa, Poland. Vol. 32, no. 7, April 1958.

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 1, Jan. 1960.  
Uncl.

KLOCHAN, Dmitriy Fedoseyevich; SUBBOTA, Nikolay Nikolayevich;  
SUZDAL'TSEV, Vladimir Vladimirovich; MARKOVA, M.M.,  
red.

[Balakleya; a regional study] Balakliia; kraiesnavchyi na-  
rys. Kharkiv, Prapor, 1965. 118 p. (MIRA 18:8)

1. KLOCHAN, F. V.
2. USSR (600)
4. Swine Breeds
7. Raising Black Moldavian swine, Sots. zhiv., 15, No. 2, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

KLOCHAN, L.

Young people's creative activity. Za rul. 20 no. 5:28 My '62.  
(MIRA 16:4)

1. Starshiy metodist respublikanskoy stantsii yunykh tekhnikov,  
Kiyev.

(Ukraine—Automobiles—Models)

KLOCHAN, N.Ye., inshener.

Interaisle transfer trolleys having planetary drives, Vent. mash.  
37 no. 7130-31 J1 '57. (MILIA 10:8)  
(Hoisting machinery)

KLOCHANOV, Mikhail Fedorovich

Klochanov, Mikhail Fedorovich Temporary measures for the restoration of ports, damaged during the war Moskva, Izd-vo Narkomrechflota, 1945.

46 p. (50-22196) TC209.K63

KLOCHANOV, M. F.

25939

Tytoriya raschyeta prochnosti ryechnykh dyeryevyanniyh nyesamokhodnykh sudov such-  
yestvuyucheyi konstruktsii I osnovnyye ualoviya proyektirovaniya sudov novei  
konstruktsii. Trudy Lyeninyar. in-ta inshyenerov vod. transporta, vyp. 15, 1949,  
c. 69-80.

SO: Letopis' No. 34

KLOCHANOV, N. (g. Sarat', Karagandinskaya oblast')

Malgashdar Dairov operates the cutter-leader. Mast. n<sup>o</sup>1. 8 no. 8:10-11  
(MIRA 12:12)  
Ag '59.  
(Karaganda Basin--Coal mining machinery)

DUL'KIN, I. M.; SHCHITOV, O. K.; KLOCHANOV, P. M., inzh., nauchnyy red.;  
ZVORYKINA, L. N., red. issd-va; KASIMOV, D. Ia., tekhn. red.

[Repairing and finishing facades of buildings in winter]  
Remont i otdelka fasadov zdaniy v zimnikh usloviyah. Moskva,  
Gos. issd-vo lit-ry po stroy., arkhit. i stroit. materialam,  
1961. 68 p. (MIRA 15:2)

(Buildings--Repair and reconstruction)

KLOCHANOV, P.N., insh.; KOBISHCHANOV, V.N., insh., nauchnyy red.;  
TABUNINA, M.A., red. izd-va; IGNAT'YEV, V.A., tekhn. red.

[Painting, paper hanging, and glazing] Mal'iarnye, oboinnye i  
stekol'nye raboty. Izd.2., ispr. i dop. Moskva, Gos. izd-vo  
lit-ry po stroit., arkhit. i stroit. materialam, 1961. 318 p.  
(MIRA 15:3)

1. Akademiya stroitel'stva i arkhitektury SSSR, Institut orga-  
nizatsii, mekhanizatsii i tekhnicheskoy perekhodchi stroitel'stva.  
(House painting) (Paper hanging) (Glazing)

MEKKEL', Aleksandr Naumovich; KLOCHNOV, F.N., nauchn. red.;  
KASHANI, L.A., red.

[Practical laboratory work in the special technology for  
industrial painters] Laboratorno-prakticheskie raboty po  
spetsial'noi tekhnologii dlia maliarov. Moskva, Vysshiaia  
shkola, 1964. 90 p. (MIRA 17:10)

KLOCHANOV, Petr Nikolayevich; KYDINOV, Yury Solomonovich;  
UDINUKOV, S.D., kand. tekhn. nauk, nauchn. red.;  
ZVORYKINA, L.N., red.

[Painting, glazing, and facing operations] Maliarnye,  
stekol'nye i oblitsovochnye raboty. Moskva, Stroizdat,  
1964. 313 p. (MIRA 18:2)

SHIPMAN, M.I.; KLOCHIK, P.P.

Manufacture of sectional reinforced concrete supports in open air  
construction yards. Shakht.stroi. no.3:26-27 Mr '57. (MLRA 10:7)  
(Precast concrete construction) (Mine timbering)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723210005-1

KLOCHEK, V. VIRYASOV, K.

Commerce

Economic cooperation of countries in the socialist camp, Vnesh. torg, 22, No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952, Unclassified.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723210005-1"

KLOCHEK, V.

Hungary - Economic Conditions

Upsurge of the Hungarian economy. Vnesh. torg. 23, No. 2, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

KLOCHIK, V.

Circulation costs in foreign trade and ways to reduce them.  
Vnesh.torg. 30 no.1:31-35 '60. (MIRA 1):2)  
(Russia--Commerce)

KLOCHENKO, M.Ye.

Case of bezoar of the stomach. Med. zhur. Uzb. no.10:67-68 '61,  
(MIRA 14:10)  
1. Iz kafedry rentgenologii i meditsinskoy radiologii (zav. - prof.  
S.A.Molchanov) Tashkentskogo gosudarstvennogo meditsinskogo  
instituta.  
(BEZOAR) (STOMACH—DISEASES)

KLOCHENKO, M.Ye.; MUKHAMEDOV, Ya.Yu.; PIR, T.A.

Two cases of melorheostosis. Med. zhur. Uzb. no.10:68-69 '61.  
(MIR 14:10)  
1. Iz kafedry rentgenologii i meditsinskoy radiologii Tashkentskogo  
gosudarstvennogo meditsinskogo instituta.  
(OSTEOSCLEROSIS)

KLOCHENKOV, A. I. [deceased]

I. N. Shevchenko's textbook on "Arithmetic". Uch. zap. Chuv. gos. ped.  
inst. no. 7:30-34 '59. (MIRA 13:9)  
(Arithmetic)

VOLKOV, B.G., kand. tekhn. nauk; KLOCHEV, L.A., insh.

Computing traction dynamometers used in testing mounted tools. Mekh. i elek. sets. sel'khoz. 16 no.6:45-47 '58.

(NIIA 12:1)

1. Severo-Zapadnoye otdeleniye Vserossiyskogo nauchno-issledovatel'skogo instituta mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.

(Dynamometer)

PAYNLEYB, B.N., kand. tekhn. nauk; KLOCHEV, L.A.

Experimental determination of the characteristic of fuel  
injection. Avt. prom. 29 no.8:7-9 Ag '63. (MIRA 16:11)

1. Tsentral'nyy nauchno-issledovatel'skiy i konstruktorskiy  
institut toplivnoy apparatury avtotraktornykh i statsionarnykh  
dvigateley.

L 00898-67 ENT(s)/T WE

ACC NR. AP6014351

(A)

SOURCE CODE: UR/0113/65/000/012/0006/0009

55  
B

AUTHOR: Pavlenko, B. N.; Klochey, Iu. A.

ORG: TANITA

TITLE: Requirements for frequency characteristics of electronic measuring equipment used for studying the fuel supply process in high-speed diesels

SOURCE: Avtomobil'naya promyshlennost', no. 12, 1965, 6-9

TOPIC TAGS: frequency characteristic, oscillograph, engine fuel system, diesel engine, engine fuel pump

ABSTRACT: Consideration is given to the requirements for frequency characteristics of amplifiers and oscillographs used for studying the fuel supply process in diesel engines. Harmonic analysis is used as a basis for determining the necessary frequency spectrum with respect to the rise time of a given cyclic process. It is shown that a reduction in the duration of the fuel supply process increases the requirements for the frequency spectrum at the same rpm for the pump shaft. A frequency spectrum of 3.5-10 kc is necessary for describing the fuel supply process in high-speed tractor diesel engines with a maximum pump shaft rpm of 700-2000 to give a distortion of less than 2% in amplitude and rise time readings due to the short duration and steep rise time of these processes. A piezoelectric quartz pickup, electrometric amplifier and electronic os-

Card 1/2

UDC: 621.43:038.681.2

L-00898-47

ACC NR: AP6014351

0

oscillograph comprise the best set of equipment for accurate reproduction of fuel supply processes. The working frequency range for a circuit of this type is 7-10 kc which coincides satisfactorily with the required frequency spectrum. Strain gage amplifiers used for studying fuel supply processes should have a carrier frequency above 35 kc. They should also be equipped with filters for operation with electronic oscillographs. When loop oscillographs are used for recording, distortions may be observed in the re-loops (1500-3000 kc). Orig. art. has: 6 figures, 2 formulas.

SUB CODE: 09, 21/ SUBM DATE: none/ ORIG REF: 006

aw m  
Card 2/2

FAINLEYB, B.N.; KLOCHEV, L.A.

Strain gauge pickup for measuring pressures in fuel forcing  
conduits of diesel engines. Izm.tekh. no.11:19-20 N '63.  
(MIRA 16:12)

Card 1/2

## Journal of Physical Chemistry

Vol. XXXI, No. 1, 1957

21  
THERMODYNAMIC CALCULATIONS OF THE BORN-OPPENHEIMER  
OF HYDROGEN-OXYGEN MIXTURES

4. Klockhoff and E. B. Wilson (U. S. A.) 1-4E3d

Summary

1-4E4f

In the report a method is proposed for calculating the thermal process of hydrogen-oxygen mixtures containing excess hydrogen and, moreover, possibly excess inert gases. In comparison with the existing methods it is more convenient, simpler. At low temperatures (below the inert gases) the reaction conditions coincide with a report H<sub>2</sub> and O<sub>2</sub>. At sufficiently high temperatures these components partially dissociate. It is assumed that the equations for the dissociation are

$$(1) \text{H}_2O \rightleftharpoons \text{H}_2 + \frac{1}{2}\text{O}_2, \quad (2) \text{H}_2O \rightleftharpoons \frac{1}{2}\text{H}_2 + \frac{1}{2}\text{O}_2 \rightleftharpoons \text{H}_2 + \frac{1}{2}\text{O}_2 \rightleftharpoons \text{H}_2 + \text{O}_2$$

the degree of conversion being expressed in x, y, z and t. The latter is shown in the report are easily determined from the equations

$$(3) \quad x = \frac{aK_1}{(n_1 - 2n_2)^{0.5} + aK_1} \quad (4) \quad y = \frac{aK_2}{[(6a^2K_2)(2n_2 + b)0.5]^{0.5} + (n_1 - 2n_2) + aK_2}$$

Ques 2/4

$$x = aK_1 / ((0.5)(2a_1 + a_2))x_0 + (a_1 - 2a_2)(1 - i)^{0.5} + aK_2 \quad (1)$$

$$y = aK_2 / ((0.5)(2a_1 + a_2))x_0 + (a_1 - 2a_2)(1 - i)^{0.5} + aK_1 \quad (2)$$

$$L = x - y = a^2 K_1 / (2(2a_1 + a_2))(1 - i)^{0.5} / ((2a_1 + a_2)0.5 + (a_1 - 2a_2)(1 - i)^{0.5}) \quad (3)$$

$$1 = (-a^2 K_1 (2a_1 + a_2) L)^{0.5} + a^2 K_2 / (a^2 K_1 - (2a_1 + a_2) L) > 0 \quad (4)$$

$$L^2 = L / (1 - i) \quad (5)$$

(1)

(2)

1.4E50

(3)

1.4E41

(4)

(5)

(6)

(7)

In the equations (1) to (7)  $a_1, a_2, a_3$  are the numbers of moles of  $H_2, O_2$  and  $N_2$  in the initial mixture;  $K_1, K_2, K_3, K_4$  and  $K_5$  are the equilibrium constants corresponding to equations (1), (2), (3) and (4), respectively;  $(1 - i)^{0.5} = T' T^{\frac{1}{2}} P_0 / P$  where  $T_0$  and  $T'$  are the beginning and unknown temperature;  $P_0$  and  $P$  are the initial and final explosion pressures;  $T'$  and  $T$  are the initial and final temperatures before and after combustion. Assuming the values of  $a_1, a_2, a_3, a_4, a_5$  and the degree of conversion of  $a_1, p, T$  and  $T'$  and substituting  $x_0 = 1$  in the equations we obtain from the equations (5) to (7), the compression factor  $1 - i$  and according to the well known equation for the energy balance. After this solution of the equations the pressure  $p$  or volume  $V$  is found. The applicability of the method is illustrated by example. It has been noted that the explosion temperature depends practically linearly upon the humidity of the mixture.

115  
JMB pre 196

AUTHORS: Maslov, P. G., Klochikhin, A. A. 79-28-3-18/61

TITLE: Molecular Refractions of Some Classes of Alkylthiophenes and Alkylthiacycloalkanes (Molekulyarnyye refraktsii nekotorykh klassov alkiltiofenov i alkiltiatsikloalkanov)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr3, pp. 835-838 (USSR)

ABSTRACT: In connection with earlier works the present work proposes uniform formulae hitherto unknown for the determination of the molecular refractions ( $R$ ) of alkylthiophenes, alkylthiacyclopropanes, alkylthiacyclopentanes and alkylthiacyclohexanes. As is known in homologous series of organic compounds ending with a cycle (cyclopentanone etc.) the additivity of many properties in the methylene groups  $\text{CH}_2$ , starting already from the second representative of this series, is practically well accomplished. This can without difficulty also be found with molecular refraction. The computation of the molecular refractions of the two low alkylthiophenes according to the molecular refraction of the 2-propylthiophene (equal to 38,64 at  $20^\circ \text{C}$ ) is mentioned as example (reference 1). With con-

Card 1/2

Molecular Refractions of Some Classes of Alkylthiophenes and 79-283-58/61  
Alkylthiacycloalkanes

sequent subtraction of that part of the molecular refraction pertaining to a  $\text{CH}_2$  group the following figures are obtained: for the 2-ethylthiophene 34,005, for the 2-methylthiophenone 29,37, for thiophene 24,735. The obtained values differ from the experimental data of the molecular refractions of these compounds by 0,095, 0,08 and 0,37, or by 0,3, 0,25 and 1,5% respectively. From the conclusions drawn from this it is possible to set up general rules for the determination of  $R$  of every other representative of the respective compound series according to the values for the molecular refraction given in reference 1 for the third and in particular for the fourth member of the homologous series of the sulfurorganic compounds. The mentioned molecular refractions of some 2-alkyl- and 3-alkylthiophenes as well as the two tables serve as general survey. There are 2 tables and 8 references, 7 of which are Soviet.

ASSOCIATION: Leningradskiy voyenno-mekhanicheskiy institut  
(Leningrad Military Mechanical Institute)  
SUBMITTED: July 10, 1956

Card 2/2

S/181/60/002/011/036/042  
B006/B060

AUTHORS: Stekhanov, A. I. and Klochikhin, A. A.

TITLE: The Structure of the Vibrational Spectrum of the Hydrogen Bond in Some Crystals

PERIODICAL: Fizika tverdogo tela, 1960, Vol. 2, No. 11, pp. 2932-2937

TEXT: The authors studied the Raman spectrum and the infrared absorption spectrum of  $\text{NaH}_2\text{PO}_4 \cdot 2\text{H}_2\text{O}$  crystals in order to clarify certain characteristics of the vibrational spectrum of the hydrogen bond and to determine the doublet splitting of the OH vibrational band for the symmetric hydrogen bridge. The Raman spectrum of light was excited in crystals by the 2537 Å resonance line of mercury and was examined on a quartz spectroscope of the type Q-24 with 10 Å/mm dispersion in the region of OH vibrations. The spectra of infrared absorption were examined with an MKC-12 (IKS-12) infrared spectrometer with fluorite prism. The samples were suspensions of powders of the test crystals in oil. Fig. 1 shows a microphotogram of the Raman spectrum at 77°K and of the infrared absorption spectrum of this

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The Structure of the Vibrational Spectrum  
of the Hydrogen Bond in Some CrystalsS/181/60/002/011/036/042  
B006/B060

crystal (the latter taken with the help of Ye. A. Popcva). The Raman spectrum shows five lines in the region of OH vibrations: 3263, 3322, 3396, 3453, and  $3559\text{ cm}^{-1}$ . The infrared spectrum exhibits absorption maxima at these frequencies. The first four lines form doublets, while the last (narrow) line is isolated and points to the OH groups in the crystal, which exhibit a weak hydrogen bond. The two doublets are related to the stretching vibrations of the OH groups which are strongly disturbed by the hydrogen bond. The study was extended to the splitting of the energy levels in a double symmetrical potential well by making use of a quasi-classical method and a potential function suggested by N. D. Sokolov. The numerical calculation results are tabulated. Calculations included the magnitudes of splitting of the zeroth ( $\Delta E_0$ ), the first ( $\Delta E_1$ ), and the second ( $\Delta E_2$ ) vibrational level for symmetrical hydrogen bridges of three different lengths. The experimental values found for the splittings were  $15\text{ cm}^{-1}$ ,  $105\text{ cm}^{-1}$ , and  $215\text{ cm}^{-1}$ , respectively. An agreement in magnitude, however, was all there was to be expected for this approximate calculation (approximation of the potential course by a curve with two minima). The

Card 2/3

The Structure of the Vibrational Spectrum  
of the Hydrogen Bond in Some Crystals

S/181/60/002/011/036/042  
B006/B060

results are finally discussed. Professor N. D. Sokolov is thanked for  
discussions. There are 3 figures, 1 table, and 7 Soviet references.

ASSOCIATION: Fiziko-tehnicheskiy institut AN SSSR Leningrad (Institute  
of Physics and Technology of the AS USSR, Leningrad)

SUBMITTED: July 23, 1960

$\lambda$ , Å	$\nu_{OH}$ , $\text{cm}^{-1}$	$\nu$ , $\text{cm}^{-1}$	$\Delta\nu$ , $\text{cm}^{-1}$	$\Delta E_1$ , $\text{cm}^{-1}$	$\Delta E_2$ , $\text{cm}^{-1}$	$\Delta E_3$ , $\text{cm}^{-1}$
2.82	1.02	0.8	32.90	—	—	—
2.72	1.02	0.7	27.12	1.3	36	—
2.56	1.10	0.56	10.70	10.5	198	302

Card 3/3

STEKHOV, A.I.; KLOCHIKHIN, A.A.

On the appearance of a short hydrogen bond in crystal spectra. Vest.  
IOU 15 no. 16:145-148 '60. (MIRA 13:8)  
(Hydrogen bonding) (Crystals—Spectra)

15.8170  
5.4800

37769  
S/661/51/000/006/059/081  
D267/D/02

AUTHORS: Maslov, P. G. and Klochikhin, A. A.

TITLE: Thermodynamic properties of fluorochlorosilanes  $\text{SiFCl}_3$ ,  
 $\text{SiF}_2\text{Cl}_2$ ,  $\text{SiF}_3\text{Cl}$

SOURCE: Khimiya i prakticheskoye primeneniye kremneorganicheskikh soyedineniy; trudy konferentsii, no. 6: Doklady, diskussii, resheniye. II Vses. konfer. po khimii i prakt. prim. kremneorg. soyed., Len. 1958. Leningrad, Izd-vo, AN SSSR, 1961, 259-265

TEXT: In view of the growing interest in the physico-chemical (especially the thermodynamic) properties of silane derivatives which cannot be easily determined, various additive and additive-statistical methods appear to be useful. The authors recommend for this purpose a new additive-statistical method developed by one of them (Ref. 9: ZhFKh, 32, 1715, (1958)); (Ref. 10: Optika i spektr., 3, 38, (1957)) and characterized by very simple formulas associated

Card 1/3

Thermodynamic properties of ...

3/661/61/000/006/059/081  
D267/D,02

and J. S. Peake, J. Chem. Phys., 23, 1344, (1955); M. J. Hawkins  
and W. N. Kent, J. Chem. Phys., 24, 385, (1956).

ASSOCIATION: Leningradskiy mekhanicheskiy institut (Leningrad Institute of Mechanics)

Card 3/3

✓

GUREVICH, L. E.; IPATOVA, I. P.; KLOCHIKHIN, A. A.

"Raman scattering and impurity absorption by the lattice of homopolar crystals."

report submitted for Intl conf on Physics of Semiconductors, Paris, 19-24 Jul 64.

IPATOVA, I.P.; KLOCHIKHIN, A.A.

One-phonon impurity absorption by the lattice of a homeopolar  
crystal with a diamond structure. Fiz. tver. tela 6 no.9:2667-  
2672 S '64.  
(MIRA 17:11)

1. Fiziko-tehnicheskiy institut imeni A.F. Ioffe AN SSSR,  
Leningrad.

L 12647-65 EWT(1)/EEO(b)-2/T IJP(c)  
ACCESSION NR: AP4044937

8/0181/64/006/009/2667/2672

AUTHORS: Ipatova, I. P.; Klochikhin, A. A.

TITLE: Single-phonon impurity absorption by the lattice of a homopolar crystal with diamond structure B

SOURCE: Fizika tverdogo tela, v. 6, no. 9, 1964, 2667-2672

TOPIC TAGS: phonon, impurity absorption, crystal lattice structure, homopolar crystal, diamond, electron phonon interaction, light absorption, Green function, optical dispersion

ABSTRACT: Inasmuch as the radius of shallow impurities in diamond IIB is of the order of the lattice constant, so that the adiabatic parameter is not small enough, the authors investigated single-phonon absorption associated with shallow impurities in a non-adiabatic approximation, regarding the electron-phonon interaction as the small perturbation. A theory is constructed for the impurity single-phonon

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L 12647-65  
ACCESSION NR: AP4044937

absorption of light by the lattice of a homopolar crystal with diamond structure, using temperature Green's functions. The calculations are based on the method of A. A. Abrikosov, L. P. Gor'kov, and I. Ye. Dzyaloshinskiy (Methody kvantovoy teorii polya v statisticheskoy fizike [Methods of Quantum Field Theory in Statistical Physics], Fizmatgiz, 1962). It is shown that when the dispersion of the optical branches of the crystal phonon spectrum is small, the absorption is resonant and depends on the temperature at temperatures below the Debye temperature. It is shown, using a simple model of the isotropic vibrational spectrum of the lattice, that the attenuation of a "transverse" phonon can lead to a temperature dependence of the absorption below the Debye temperature, if the structure of the phonon spectrum is such that the attenuation is determined by decay into an optical phonon (of the "longitudinal" branch) and a long-wave acoustical phonon. The temperature dependence of the absorption is shown to be connected with the phonon damping due to third-order anharmonicity. The effective characteristic temperature is de-

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L 12647-65

ACCESSION NR: AP4044937

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terminated by the dispersion of the optical branches. "The authors thank O. V. Konstantinov and G. M. Eliashberg for a useful discussion." Orig. art. has: 1 figure and 17 formulas.

ASSOCIATION: Fiziko-tehnicheskiy institut im. A. P. Ioffe AM SSSR  
(Physicotechnical Institute AM SSSR)

SUBMITTED: 31Mar64

ENCL: 00

SUB CODE: 88, OP

NR REF & OV: 003

OTHER: 008

Card 3/3

L 1110-66 EWT(m) DIAAP

ACQ NR: AP6000864

SOURCE CODE: ur/0181/65/007/012/3617/3626

AUTHORS: Klochikhin, A. A.; Korenblit, I. Ya.

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52

ORG: Physicotechnical Institute im. A. F. Ioffe AN SSSR, Leningrad  
(Fiziko-tehnicheskiy institut AN SSSR)

TITLE: Peculiarities in the scattering of neutrons by ferromagnets  
in the region of ferroacoustic resonance

SOURCE: Fizika tverdogo tela, v. 7, no. 12, 1965, 3617-3626

TOPIC TAGS: scattering cross section, ferromagnetic material,  
neutron scattering, inelastic scattering, neutron polarization,  
phonon, interaction, nuclear resonance, magnetostriiction

ABSTRACT: The authors studied the singularities in the cross section  
for inelastic scattering of slow neutrons (polarized and unpolarized)  
when the energy transfer is in the region of resonance between magnons  
and longitudinal or transverse phonons. Both incoherent and coherent  
scattering in single crystals and polycrystals are considered. It is  
shown that the cross sections for incoherent scattering by single

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L 14140-66  
ACC NR: AP6000864

4

crystals and coherent scattering by polycrystals have extrema when the energy transfer falls in the region of each of the resonances. In coherent scattering by single crystals there should be observed in this region two peaks each for absorption and emission of a quasi-particle, respectively, regardless of the relation between the cross sections of magnetic and nuclear resonances. The intensity of the peaks differs by some interference term, the magnitude and sign of which depend on the observation condition. The results are based on the assumption that each unit cell contains only one atom and that the phonon spectrum is isotropic, the latter true for most ferrites. It is concluded that experimental study of neutron scattering in the region of ferroacoustic resonance would afford added means of determining such characteristics of ferromagnets as the exchange interaction constant and the dependence of the magnetostrictiution constant on the frequency. Authors thank L. E. Gurevich for suggesting the topic and interest in the work, and O. M. Drabkin, O. V. Konstantinov and S. V. Maleyev for numerous valuable hints. Orig. art. has: 3 figures, 30 formulas, and 1 table.

SUB CODE: 20/ SUBM DATE: 08Mar65/ ORIG REF: 009/ OTH REF: 010  
Card FW 1/2 2/2

KLOCHIKHIN, A.A.; KORENBLIT, I. Ya.

Characteristics of neutron scattering by ferromagnets in the  
region of ferroacoustic resonance. Fiz. tver. tela 7 no. 12:  
3617-3626 N '65 (MIRA 1965)

1. Fiziko-tehnicheskiy institut imeni Ioffe AN SSSR, Leningrad.

L41741-66 EWT (1)/T IJP(c)

ACC NM: AR6020216

SOURCE CODE: UR/0056/66/050/006/1603/1610

71

B

AUTHOR: Ipatova, I. P.; Klochikhin, A. A.

ORG: Physicotechnical Institute im. A. F. Ioffe, Academy of Sciences SSSR (Fiziko-  
tekhnicheskiy institut Akademii nauk SSSR)

TITLE: Temperature dependence of the line width for absorption by local oscillations  
of H<sup>+</sup> and D<sup>+</sup> ion in alkali halide crystals

SOURCE: Zh eksper i teor fiz, v. 50, no. 6, 1966, 1603-1610

TOPIC TAGS: ir absorption, line width, alkali halide, hydrogen ion, deuterium,  
negative ion, impurity scattering, temperature dependence

ABSTRACT: The authors analyze infrared absorption by local oscillations of the H<sup>+</sup>  
and D<sup>+</sup> ions in alkali-halide crystals and show that the scattering of the vibrations  
of the host lattice by the impurity atom makes the decisive contribution to the width  
of the local levels of H<sup>+</sup> and D<sup>+</sup> ions in the alkali-halide crystals. Coordinate re-  
presentation is used to derive expressions for the absorption coefficients in the  
anharmonic approximation, the polarization operator connected with the presence of  
anharmonic terms, and the temperature dependence of the line widths of the ions. The  
theory developed confirms quantitatively the experimentally observed facts that at  
high temperature the ratio of the relative line widths of hydrogen and deuterium  
exceeds unity for the isotopic defect considered in the nearest-neighbor approxima-  
tion. At low temperatures the scattering of the host lattice vibrations by the im-

Cord. 1/2

ACC NR: AP6036968

(A, N)

SOURCE CODE: UR/0181/66/008/011/3260/3268

AUTHOR: Gurevich, L. E.; Ipatova, I. P.; Klochikhin, A. A.

ORG: Physicotechnical Institute im. A. F. Ioffe, AN SSSR, Leningrad (Fiziko-tehnicheskiy institut AN SSSR)

TITLE: Raman scattering of light in cubic ionic crystals with impurities

SOURCE: Fizika tverdogo tela, v. 8, no. 11, 1966, 3260-3268

TOPIC TAGS: Raman scattering, ionic crystal

ABSTRACT: The article analyzes Raman scattering of light with the emission or absorption of one phonon in NaCl-type crystals in the presence of defects giving rise to a Coulomb potential. The scattering cross section is determined by the electron polarizability, different from zero within the radius of action of the Coulomb potential, and by the spectral density of lattice vibrations. Since the radius of action of the impurity is small, the vibrations of the great majority of atoms located at distances smaller than or comparable to this radius are not appreciably altered by the impurity, and the spectral density can be considered unperturbed. It is shown that in the spectrum of Raman scattering one should expect the appearance of two peaks located in the vicinity of the cutoff frequencies of optical phonons. The intensity and width of these peaks depend on the concentrations of the impurities. Orig. art. has 38 formulas.

SUB CODE: 20/ SUBM DATE: 18Apr66/ ORIG REF: 007/ OTH REF: 006  
Card 1/1

STEKHANOV, A.I.; POPOVA, Ye.A.; KLOCHIKHIN, A.A.

Infrared absorption spectra of sodium dihydrophosphate.  
Opt. i spektr. 10 no.6:799-801 30.6.61. (MTRA 14:8)  
(Spectrum, Infrared) (Sodium phosphate—Spectra)

KLOCHIKHIN, L. V.

Unusual complication following submucous resection of the nasal septum. Vest. otorin. no.188-89 '62. (MIRA 15:7)

1. Is Gorodskoy bol'nitsy, Ust'kamenogorsk.

(NOSE-SURGERY) (KIDNEYS-DISEASES)

KLOCHIKHIN, L. V.; IGOMINA, G. I.

Goiter of the root of the tongue. Probl. endok. 1 gorm. 8 no.3:  
100-101 My-Je '62. (MIRA 15:6)

1. Is Ust'-Kamenogorskoy gorodskoy bol'nitsy (glavnyy vrach  
A. I. Terasov)

(GOITER) (TONGUE--DISEASES)

ACC NR: AP6035901

(A) SOURCE CODE: UR/0413/66/000/020/0142/0142

INVENTOR: Klochikhin, M. A.

ORG: none

TITLE: Electrodynamic vibration stand for determining the dynamic characteristics of the pneumatic tires of aircraft wheels. Class 42, No. 187370

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 142

TOPIC TACS: aircraft tire, aircraft test, aircraft landing gear, aircraft maintenance, aircraft maintenance equipment, test stand, test method

ABSTRACT: An Author Certificate has been issued for an electrodynamic vibration stand for determining the dynamic characteristics of the pneumatic tires of aircraft wheels, which consists of a housing containing a magnetic circuit, solenoid coils (to which is connected a frequency-controlled alternating current), and a power plate connected to the housing by adjustable supports. To apply to the pneumatic tire a pneumatic force with an amplitude and frequency in the range of a third or fourth component of its natural, stable oscillations, it is equipped with a bracket for securing the test wheel. This is mounted on the power plate through spring-supported blocks which serve as a flexible support; in this way, the rigidity of the supported blocks is such that the frequency range of the natural oscillations of the pneumatic tire are exerted on the downward portion of the resonance curve of

UDC: 620.178

629.135/138

Card 1/2

ACC NR: AP6035901

the oscillations of a mass resting on a flexible support. To change the frequency of the flexible support's resonance oscillations, on the upper point of the pneumatic tire is fastened a plate for distributing the variable loads. Orig. art. has: 1 figure. [WA-98]

SUB CODE: 01/ SUBM DATE: 27Jul64/

Card 2/2

KLOCHINA, Ye.A.

Excerpta Medica 8/4 sec 6 April 54 Internal Medicine

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(DIPHTHERIA, pathol.

cardiovasc. changes (Rus))

(CARDIOVASCULAR SYSTEM, pathol.

in diphtheria (Rus))

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